ECO Spot™ LED80CE User Manual

Thank you for choosing our ECO Spot™ LED80 Gobo projector (SKU: ES-LED80CE). This unit is equipped with a fan cooled 80W LED light bulb with 50,000 hours bulb life. No more need for replacement bulbs. This unit is weather resistant and holds four gobos at same time.

Please read this manual before installing or operating this fixture, follow the safety precautions listed below and observe all warnings.

Package Contents

- Projector with power cord and integrated gobo holder and gobo changer
- Spare gobo retaining ring and spare drive belt

Safety Information

- This product is not for household use, it presents risks of severe injury or death due to fire and burn hazards, electric shock, lamp explosion and falls.
- Place your fixture at a suitable place with good air flow.
- Keep flammable materials away from the fixture.
- Minimum distance to flammable material = 1 ft (0.3m).
- Minimum distance to illuminated surface = 3.3 ft (1.0m).
- Provide a minimum clearance of 4 in (10cm) around air vents.
- Use only genuine spare parts for part replacement.
- Do not look directly into the lamp; it can result in eye damage.
- Don't touch the hot surface during operation, use gloves if necessary.
- Always unplug the unit from the power mains before any service is done.
- Allow 20 minutes to cool down before servicing the unit.
- Replace Lamps only with the same type other lamps may cause damage.
- Light fixtures should be installed and maintained only by qualified personnel with experience in lighting equipment and general electrical experience.

Electrical Safety

- Disconnect the fixture from AC power before handling the fixture.
- Always ground (earth) the fixture electrically.
- Use only a power source that complies with local building and electrical codes and has both overload and ground-fault protection.
- Do not use the fixture if the power cable or power plug is in any way damaged, defective or wet, or if they show signs of overheating.

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Handling Instructions

- Before the initial start-up, please unpack and carefully check for damage caused during transportation.
- Place your fixture at a suitable place with good air flow.
- Make sure there are no flammable materials close to the lamp.
- When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.
- Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.

Warranty

One Year from Date of Purchase

Focusing

- Power up the projector by pressing the larger switch in the back.
- Focus the projection by twisting the lens in and out until the image is well focused. When used for the first time, the lens will often need to be twisted outwards many rotations to reach the focusing point. This can take up to three minutes.

Lens Options

- Semi Wide 25 degree (default)
- Optional lenses : Semi Narrow15 degree

Gobo Changer

- Turn on and off the gobo changer with the changer control button on the back plate
- To adjust/set the changer speed, take off the front plate with the lens, there is a potentiometer axle next to the rotator wheel. Turning the potentiometer changes the speed.

Multi-functional Yoke

- The yoke can slide over the whole length of the fixture body to accommodate multiple pointing directions.
- The yoke acts as a stand foot.
- The yoke can be screwed to a wall or ceiling or fastened with a C-clamp.

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Gobo Replacement

- Unplug the power cord and let the projector cool down.
- Unscrew the thumbscrews to remove the front cover with the projection lens.
- Unscrew the gobo retaining ring and carefully remove the old gobo and replace it with the new gobo. You may have to tilt the projector forward for the gobo to fall out. Use caution, not to break the gobo, have it fall into your hand.
- If you have a glass gobo, place the most reflective side towards the light bulb.
- Replace the retaining ring and make sure it evenly pushes the gobo all the way back.
- Replace the front cover and adjust the focus.

Specifications

Voltage: 110-130V, 50-60Hz, 90W

Ambient Operating Temperature
-13 to 104°F (-25 to 40°C)

Gobo Dimensions
Metal or Glass Gobos and Dichroic filters,
Fits regular E-Size gobos (OD37.5mm x ID25mm)
Max Thickness 4mm (0.16 in)

Projection Range
6 to 32 ft in bright environments
up to 64 ft in dim environments
up to 112 ft in dark environments

LED Lamp
The projector is equipped with a LED lamp that is designed to work for the full lifetime of the projector. There is no need for a replacement lamp.
- Extremely high light density for ultra-efficient projection.
- Bulb life: 50,000h
- Color Temperature: 6,000K (+/- 500K)
- Rated Luminous Flux: 8000lm
- Effective Luminous flux: 2600lm
- Not dimmable

Dimensions / Weight
Fixture Body: 7.5 x 5.5 x 17.5 in (H x W x L) (190 x 140 x 445mm),
Total Length: 20 in (550mm) with 25 deg lens, 24 in (610mm) with 15 deg. lens.
Yoke Base: 6.4 x 7.8 in (163 x 198mm)
Yoke Height: 7.5 in (190mm) (from base to center)

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Total Height : 10 in (254mm)
Weight: 13.5lbs (6.1kg)

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